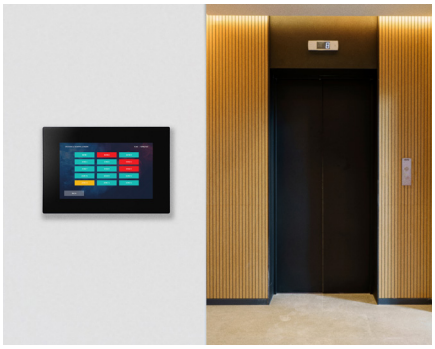
Products / Mechanical / Control Units

FCP1000

The FCP1000 Control Panel is a robust and reliable solution designed to manage and power mechanical fan units for smoke control in residential buildings. Engineered to activate and regulate fan systems in emergency situations, the FCP1000 ensures efficient smoke extraction, enhancing safety by maintaining clear escape routes.



Network Features

The FCP1000 control panel can be networked with other units to form a multizone smoke control system, allowing precise, area-specific management of the smoke ventilation system.

Application

Mechanical Ventilation

Pre-Fab Kit

The FCP1000 Control Panel is optionally available as a pre-fabricated kit, including a dual fan set and skid unit, for streamlined installation and optimal smoke control in residential buildings.

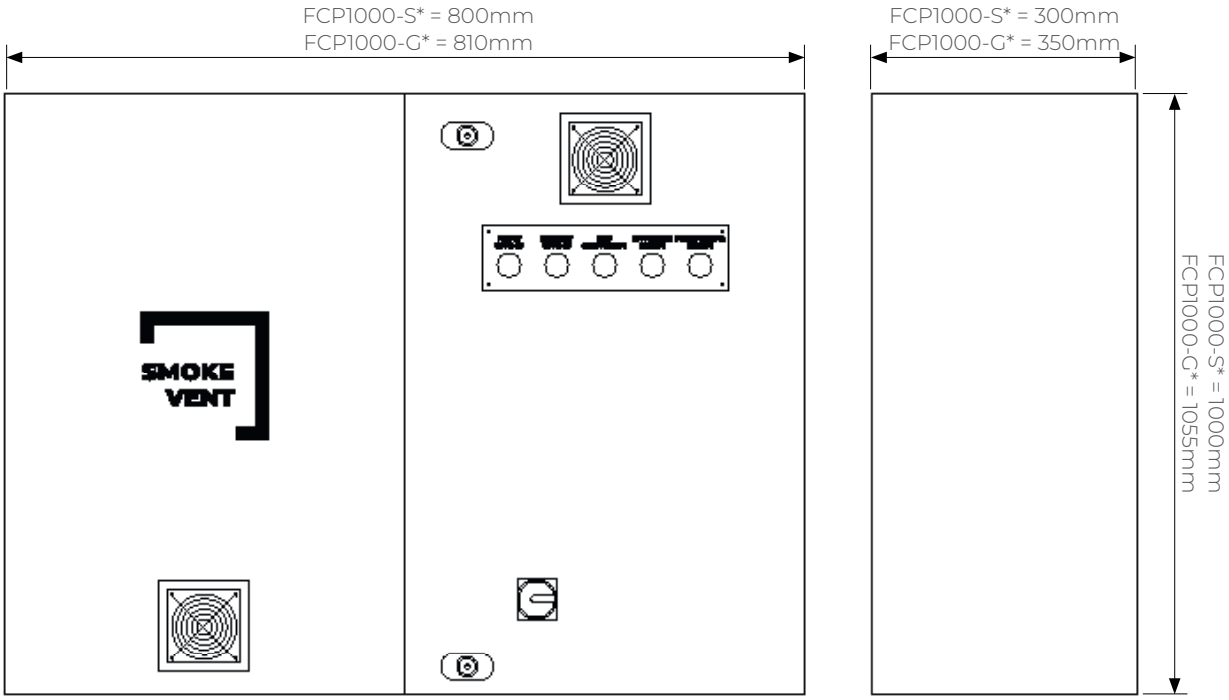
For further assistance please contact our team: 01242 620318 | sales@tealproducts.co.uk

Part Codes

FCP1000-S5	FCP1000 Fan Control Panel with 2no. 5.5kW Inverters & Standard Enclosure
FCP1000-S7	FCP1000 Fan Control Panel with 2no. 7.5kW Inverters & Standard Enclosure
FCP1000-S11	FCP1000 Fan Control Panel with 2no. 11kW Inverters & Standard Enclosure
FCP1000-G5	FCP1000 Fan Control Panel with 2no. 5.5kW Inverters & GRP Enclosure
FCP1000-G7	FCP1000 Fan Control Panel with 2no. 7.5kW Inverters & GRP Enclosure
FCP1000-G11	FCP1000 Fan Control Panel with 2no. 11kW Inverters & GRP Enclosure

Technical Data	FCP1000-S* (Standard)	FCP1000-G* (External)
Primary Voltage (Input)	400V 3-phase 50Hz	400V 3-phase 50Hz
Secondary Voltage (Input)	400V 3-phase 50Hz	400V 3-phase 50Hz
Note	Primary and secondary supplies from BS EN 60947-6-1 ATS sited in same fire zone as fan panel.	Primary and secondary supplies from BS EN 60947-6-1 ATS sited in same fire zone as fan panel.
Fan Supply Power	FCP1000-S5 = 5.5kW FCP1000-S7 = 7.5kW FCP1000-S11 = 11kW	FCP1000-G5 = 5.5kW FCP1000-G7 = 7.5kW FCP1000-G11 = 11kW
Number of Fan Outputs	2 for both duty and standby fans	2 for both duty and standby fans
Control Inputs For (24V)	Fire, Pressure Transducer or Boost, Comfort	Fire, Pressure Transducer or Boost, Comfort
Control Outputs For (Volt-Free)	Duty Inverter Fault, Standby Inverter Fault, Primary Supply Fail, Secondary Supply Fail, System Running	Duty Inverter Fault, Standby Inverter Fault, Primary Supply Fail, Secondary Supply Fail, System Running
Enclosure Type	Mild-Steel	GRP
Enclosure Size	800mm (w) x 1000mm (h) x 300mm (d)	810mm (w) x 1055mm (h) x 350mm (d)
Protection Type	IP55	IP65
Cable Entry	Bottom	Bottom
Positioning	Internal mounting	Internal or external mounting

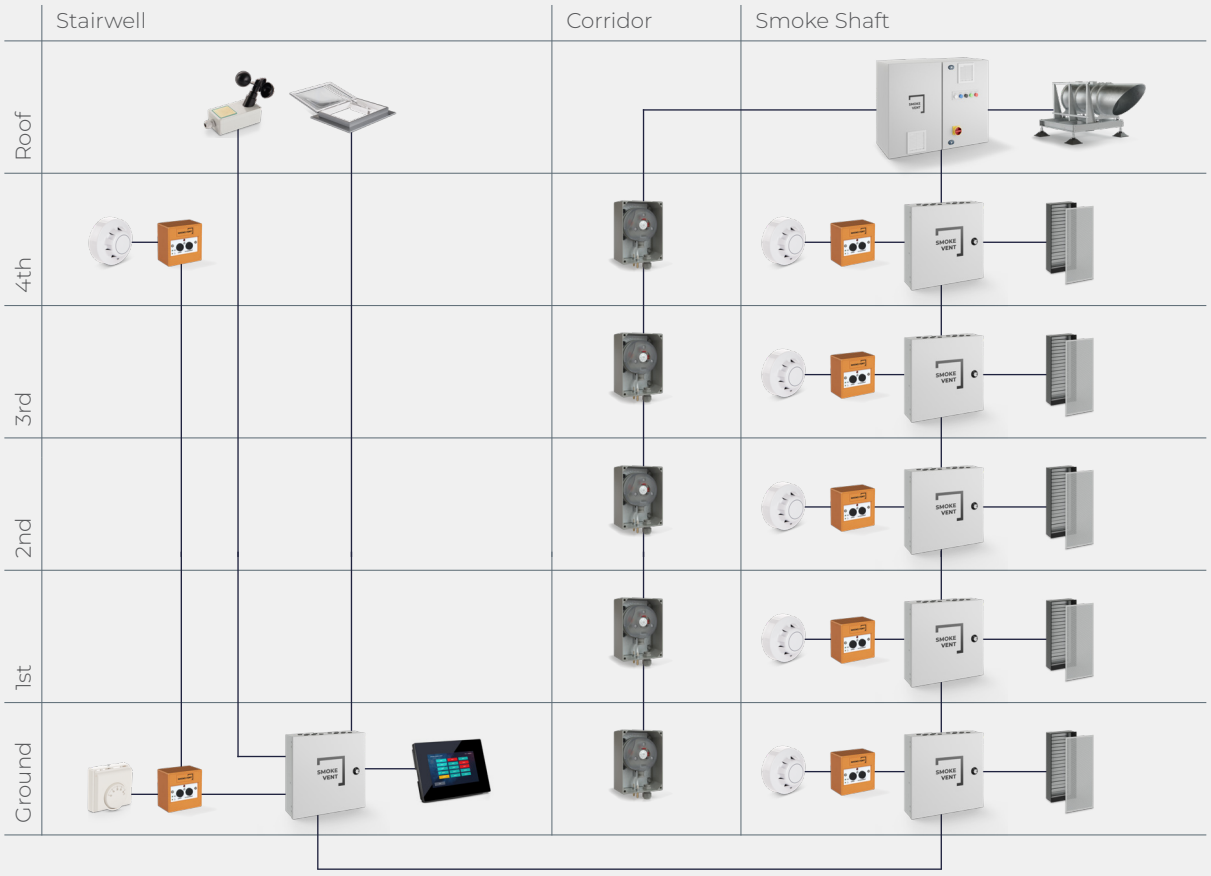
Dimensions



Enclosure design may vary depending on the specification. Please ask our sales team for more information.

Wiring Schematic - SCP Single-Zone Network

This system features the FCP1000 fan control panel, which coordinates a dual smoke extract fan set, seamlessly integrated with a network of SCP control units. The comprehensive setup includes smoke dampers, pressure sensors, manual call points, smoke sensors, and a roof hatch, with system data all displayed on the SCP-HMI (Human-Machine Interface). This configuration ensures efficient mechanical and natural smoke ventilation, enhancing safety by providing real-time control and monitoring capabilities for swift and effective emergency response.



Wiring Schematic - FlexiSmoke Multi-Zone Network

This system features the FCP1000 fan control panel, which coordinates a dual smoke extract fan set, seamlessly integrated with a multi-zone FlexiSmoke control unit. The configuration includes smoke dampers, pressure sensors, manual call points, smoke sensors, and roof hatches. This setup ensures efficient mechanical and natural smoke ventilation across multiple zones, enhancing safety with its advanced control and monitoring capabilities for effective emergency response.

Inputs & Outputs

The FCP1000 control panel is equipped as standard with inputs for signals from a pressure switch, key switch, SCP or FlexiSmoke control unit, enabling seamless integration and versatile operation in various fire safety systems.

Inputs

1	BOOST
2	FIRE
3	PRESSURE

Outputs

4	FAN OUTPUT
5	FAULT OUTPUT

Compatible Fans

TITAN 7

Dual Fan Set

Compatible Inputs

BG7/FOS

Override Key-Switch

DPS24

Differential Pressure Switch

SCP500

Control Unit

SCP800

Control Unit

FlexiSmoke

Control Unit